

Claims

1. A method for producing a β -aminoketone, characterized in that a conjugate addition reaction between an α,β -unsaturated ketone compound and a carbamate compound is carried out to synthesize the β -aminoketone, and a salt or a hydrate salt of a transition metal of Groups 7 to 11 of the Periodic Table of Elements is present in the reaction system as a catalyst.
2. The method for producing a β -aminoketone of claim 1, characterized in that the salt or the hydrate salt of the transition metal is a halide, a perhalogenate, or a hydrate thereof.
3. The method for producing a β -aminoketone of claim 1 or 2, characterized in that the transition metal is at least one chosen from the group consisting of Fe, Ru, Rh, Re, Os, Ir, Pt, and Au.
4. A catalyst for a conjugate addition reaction of a nitrogen nucleophile to an α,β -unsaturated compound, characterized in that the catalyst is a salt or a hydrate salt of a transition metal of Groups 7 to 11 of the Periodic Table of Elements.
5. The catalyst of claim 3, characterized in that the salt or the hydrate salt of the transition metal is a halide, a perhalogenate, or a hydrate thereof.
6. The catalyst of claim 4 or 5, characterized in that the transition metal is at least one chose from the group consisting of Fe, Ru, Rh, Re, Os, Ir, Pt, and Au.
7. The catalyst of any one of claims 4 to 6, characterized in that the

catalyst is used for a conjugate addition reaction of a carbamate compound to an α,β -unsaturated ketone compound.